



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV**

Subject: **POLREP #8**
Completion of tenth property
Burlington Industries Cheraw
B49F
Cheraw, SC
Latitude: 34.6977213 Longitude: -79.9146074

To: James Webster, USEPA R4 ERRPB

From: Matthew Huyser, On Scene Coordinator

Date: 8/17/2017

Reporting Period: 8/3/2017 - 8/17/2017

1. Introduction

1.1 Background

Site Number:	B49F	Contract Number:	
D.O. Number:		Action Memo Date:	4/25/2016
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/5/2017	Start Date:	6/6/2017
Demob Date:		Completion Date:	
CERCLIS ID:	SCN000404896	RCRIS ID:	
ERNS No.:		State Notification:	10/4/2016
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Site Description

The South Carolina Department of Health and Environmental Control (DHEC) conducted sampling under a Preliminary Assessment (PA) and discovered the presence of Polychlorinated Biphenyls (PCBs) in residential and industrial surface soils near the former Burlington Industries facility, as well as in the drainage ditch and surface water corridor to the Pee Dee River. Public and private properties throughout the surface water corridor. An Action Memorandum for initial time-critical removal action was signed on April 25, 2017. Initial activities include cleanup to address at least six residential properties with concentrations of PCBs greater than 10 times the respective EPA Region 4 Removal Management Level (RML).

See Pollution Report (POLREP) #1 - Initial POLREP, dated June 7, 2015 for detailed information on this section.

1.1.2.1 Location

The former Burlington Industries facility is currently owned by Highland Industries, Inc. and is located at 650 Chesterfield Highway, Cheraw, Chesterfield County, South Carolina.

1.1.2.2 Description of Threat

Part 302.4 of Title 40 in the Code of Federal Regulations lists PCBs as a hazardous substance under section 102(a) of CERCLA, a toxic pollutant under section 307(a) of the CWA, and as a hazardous air pollutant under section 112 of the CAA. PCBs are also listed as a toxic chemical through section 313 of EPCRA and determined to present an unreasonable risk of injury to health and or the environment under section 2605(e) of the Toxic Substances Control Act (TSCA).

See Pollution Report (POLREP) #1 - Initial POLREP, dated June 7, 2015 for detailed information on this section.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

PCB Aroclors 1248 and 1254 were found throughout the Site with highest concentrations near the ditch at the west boundary of the former Burlington Industries facility, followed by decreasing concentrations throughout the surface water drainage corridor.

See Pollution Report (POLREP) #1 - Initial POLREP, dated June 7, 2015 for detailed information on this section.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA's ERRS contractor departed on August 3 for a brief demobilization and returned on August 8. Work activities at the Site resumed on August 9.

Preparation activities were initiated at 260 Pecan Drive on August 9 and excavation was initiated on August 10. Excavation was completed on August 14. Confirmation samples from 260 Pecan Drive were collected on August 11 and 14. Results were received on August 16 and no sample exceeded the cleanup goal of 1 ppm total PCBs. Backfilling on 260 Pecan Drive was initiated on August 17.

Sod installation on 248, 252, 254, and 256 Pecan Drive was initiated on August 10 and completed on August 14 with residual landscaping work completed in the following days. Fencing that had been removed between the four lots was reinstalled beginning August 15 and will be completed by August 18.

Site preparation was initiated at 224 and 228 Pecan Drive on August 15. Excavation was initiated on August 15 and will be completed on August 17. Confirmation samples were collected on August 16 and 17 with final confirmation samples to be collected on August 18. Pending receipt of sample results, backfilling may begin by August 21.

The Town of Cheraw completed removal of sand and gravel that had been excavated from Wilson Branch and deposited in Huckleberry Park during the week of August 7. On August 15, ERRS installed a shallow cover of topsoil in the area where the playground set had been removed several weeks earlier. The area where the playset and swings were located was lightly tilled with a power rake and grass seed was installed. The area will be watered along with the ongoing irrigation activities that are conducted at the Site.

A continuous silt fence is being installed on all properties where backfill installation has been completed, set back approximately 5 feet from the ditch or against the fenceline, to discourage migration of sediment from the ditch to the residential yard in the event that a flooding event occurs prior to remediation of contaminated soils in the ditch.

The remaining volume in the existing topsoil source will not be sufficient for the remainder of the removal action. Results were received from a sample collected from a second topsoil source. The sample was analyzed for TCLP Metals, Total Metals, SVOCs, Chlorinated Pesticides and Herbicides, and PCBs. No elevated concentrations of any analytes were found and the second topsoil source will be sufficient for the removal action needs.

Cleanup criteria remains at 1,000 ug/kg and soils with total PCB concentrations in excess of 50,000 ug/kg are excavated separately and staged for disposal in a segregated stockpile.

2.1.2 Response Actions to Date

224 Pecan - Excavation complete. Awaiting confirmation results.
228 Pecan - Excavation complete. Awaiting confirmation results.
232 Pecan - Excavation, backfilling, and sod 100% complete.
234 Pecan - Excavation, backfilling, and sod 100% complete.
238 Pecan - Excavation, backfilling, and sod 100% complete.
244 Pecan - Excavation, backfilling, and sod 100% complete.
246 Pecan - Excavation, backfilling, and sod 100% complete.
248 Pecan - Excavation, backfilling, and sod 100% complete.
252 Pecan - Excavation, backfilling, and sod 100% complete.
254 Pecan - Excavation, backfilling, and sod 100% complete.
256 Pecan - Excavation, backfilling, and sod 100% complete.
260 Pecan - Excavation complete. Backfilling ongoing
601 Robin Hood - Anticipated start date: 8/24/2017
623 Robin Hood - Anticipated start date: 9/6/2017

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement and negotiation activities are ongoing

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Brush		55.33 tons			Local Class II (C&D) Landfill
Non-TSCA Soil		3807.21 tons			Lee County Landfill, SC
TSCA PCB Soil		903.09 tons			Wayne Disposal #2 Landfill, MI and/or Heritage Landfill Roachdale, IN

2.2 Planning Section

2.2.1 Anticipated Activities

A ceiling increase and change of scope action memorandum was signed on July 13. The revised time-critical removal action is targeted at occupied residential properties which have PCB concentrations that exceed the EPA Region 4 Removal Management Level as well as areas of Huckleberry Park. This brings the total residential parcels targeted for cleanup under this removal action from six to fourteen.

2.2.1.1 Planned Response Activities

- Excavate surface soils and contaminated with PCBs from residential properties which exceed the EPA RML; (ONGOING)
- Remove play units and sand from Huckleberry Park; (COMPLETE)
- Provide temporary staging of excavated PCB-contaminated soil/sediment between removal and disposal

activities; (ONGOING)

- Load and transport PCB-contaminated soil/sediment to an offsite location for treatment and/or disposal; (ONGOING)
- Replace excavated soil with clean backfill and vegetation; and (ONGOING)
- Restore impacted properties to the extent practicable. (ONGOING)

2.2.1.2 Next Steps

The Town of Cheraw will be posting steel signage at Huckleberry Park which will read "Park Closed Until Further Notice" and will then remove the yellow tape which has been surrounding the park. The town administrator discussed this change with EPA OSC Huyser.

ERRS crews will temporarily demobilize from the Site on August 31 and will return on September 5.

2.2.2 Issues

START is delineating and marking excavation areas based on digital maps and locations representing sample results from DHEC and EPA samples that were collected. Excavation is being conducted in 6-inch "lifts". EPA samples provide a higher density of sample location but lower accuracy at low concentrations. Composites of the EPA samples were sent for laboratory analysis to verify the screening method and provide way to generate a correction factor. The composites were created based on relative screening concentration and geographical location at the Site, thus the laboratory results also provide a description of the PCB concentration in the area represented by the composite. Interpretation of these results and translation to an excavation area is not simple and requires understanding of the source and limitations of the material. A report will be generated and submitted to the Site File which will document the method used for validation and interpretation.

2.3 Logistics Section

No information to report in this section

2.4 Finance Section

2.4.1 Narrative

The original action memorandum was signed on April 25, 2017 and a ceiling increase and change of scope action memorandum was signed on July 13, 2017. Funding has been provided for ERRS and START contracts in the amount represented in the table below.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$1,500,000.00	\$1,044,165.13	\$455,834.87	30.39%
TAT/START	\$62,000.00	\$50,000.00	\$12,000.00	19.35%
Intramural Costs				
Total Site Costs	\$1,562,000.00	\$1,094,165.13	\$467,834.87	29.95%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

ERRS and START have each produced a HASP for their activities.

2.5.2 Liaison Officer

No information to report in this section

2.5.3 Information Officer

No information to report in this section

3. Participating Entities

3.1 Unified Command

No information to report in this section

3.2 Cooperating Agencies

Town of Cheraw
South Carolina DHEC

4. Personnel On Site

EPA (1)
ERRS (10)
START (1)
DHEC (1 intermittent)

5. Definition of Terms

No information to report in this section

6. Additional sources of information

6.1 Internet location of additional information/report

No information to report in this section

6.2 Reporting Schedule

POLREPs will be generated and submitted weekly

7. Situational Reference Materials

No information to report in this section